

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2

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CIA-RDP86-00513R000723420010-2"

L 2733-66 EWT(m)/T/EWA(m)-2

ACCESSION NR: AP5024339

UR/0367/65/002/002/0261/0264

AUTHOR: Zakharov, V. I.; Kobzarev, I. Yu.

TITLE: The Ademollo-Gatto theorem and supercharged particles

SOURCE: Yadernaya fizika, v. 2, no. 2, 1965, 261-264

TOPIC TAGS: particle symmetry, unitary symmetry, strange particle, strong nuclear interaction

ABSTRACT: Ademollo and Gatto (M. Ademollo, R. Gatto, *Phys. Rev. Lett.*, 13, 264, 1964) showed that the vector constants of strange lepton decays of the baryon octet are not renormalized in the first approximation with respect to the semistrong interaction L_{NS} which destroys unitary symmetry. The authors show that the Ademollo-Gatto theorem is not true for the case of nonconservation of supercharge in the semistrong interaction regardless of whether there is a current which modifies the supercharge, and that renormalization of vector constants may be of the same order of magnitude as the change in masses. An example of $K^+ \rightarrow \pi^0 + e^+ + \nu$ decay is considered where K^+ belongs to the ordinary O^- octet. "The authors are grateful to L. B. Okun' for discussion of the work." Orig. art. has: 12 formulas.

Card 1/2

KOBZAREV, I. Ya.; OKUN', L.B.; TEREHT'YEV, M.V.

Note on S -odd multipole fields. Pis'. v red. Zhur. eksper. i teoret.
fiz. 2 no. 10:466-469 N '65 (MIRA 19:1)

1. Institut teoreticheskoy i eksperimental'noy fiziki. Submitted
September 28, 1965.

ZAKHAROV, V.I.; KOBZAREV, I.Yu.

Vector constants of strange currents in the second approximation
with respect to moderately strong interactions. IAd. fis. 1 no.6:
1050-1052 Je '65.
(MIRA 18:6)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarst-
vennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

KOBZAREV, I.Yu.; OKUN', L.B.

Multiplication of currents by the admixture ΔT $3/2$ in
 Λ -hyperon decay. Izd. fiz. 1 no.6:1134-1136 Je '65.

(MIRA 18:6)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarst-
vennogo komiteta po ispol'sovaniyu atomnoy energii SSSR.

L 13117-66 EWT(1)/EWA(m)-2 IJP(c) AT

ACC NR: AP6001773

SOURCE CODE: UR/0386/65/002/010/0466/0469

AUTHOR: Kobzarev, I. Yu.; Okun', L. B.; Terent'yev, M. V.

ORG: Institute of Theoretical and Experimental Physics (Institut teoreticheskoy i eksperimental'noy fiziki)

TITLE: A note on C-odd multipoles

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 10, 1965, 466-469

TOPIC TAGS: parity principle, photon scattering, electromagnetic interaction, nucleon scattering, deuteron scattering, correlation statistics

ABSTRACT: The authors discuss briefly the possible presence of C-odd terms in vertex parts with $I \geq 1$. When $I = 1$ (e.g., deuteron) this term is shown to vanish for real photons. The effect will therefore be maximal for large-angle scattering of electrons. The coefficients in the term may become small. The smallness connected with the non-elementary nature of the nucleus is manifest in the smallness of the form factor, which can be naturally assumed to be the same for C-even and C-odd terms. Therefore, at large momentum transfer, one can expect correlation effects of the order of unity in the model of J. Bernstein, G. Feinberg, and T. B.

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L 13117-66

ACC NR: AF6001773

Lee (Columbia Univ. Preprint, 1965).
It does not follow that the fore-
going correlations must be addition-
ally small in electron-deuteron scat-
tering. For light nuclei, however,
these effects are small and, further-
more, they can be estimated theore-

4

CP	+1	-1	+1	-1
P	+1	+1	-1	-1
N	2I + 1	I	I	2I
	2I + 1	I - 1/2	I + 1/2	2I

tically to a considerable degree. For a particle with spin I the number of C-odd multipoles is equal to integer or half-integer. In the general case (taking into account possible parity nonconservation), the number of corresponding multipoles is given in the table. The number of corresponding multipoles N in the third and fourth lines pertains to integer and half-integer I, respectively. The results of the table can be easily obtained by determining the number of states in the t-channel, where the particle and antiparticle with spin I form an "atom" with total angular momentum I. Authors thank I. Ya. Pomeranchuk and B. M. Pontecorvo for useful discussions. L. B. Okun' is grateful to S. Coleman and S. Glashow for interesting discussions in Trieste. Orig. art. has: 2 formulas and 1 table.

SUB CODE: 20/ SUBM DATE: 28Sep65/ OTH REF: 003

Card 2/2 HW

L 29670-66 ENT(1)/T IJP(c)
ACC NR: AT6012696

SOURCE CODE: UR/3138/65/000/385/0001/0011

AUTHOR: Kobzarev, I. Yu.; Okun', L. B.; Terent'ev, M. V.

ORG: Institute of Theoretical and Experimental Physics of the State Committee
on the Use of Atomic Energy USSR, Moscow (Institut teoreticheskoy i eksperimental'
noy fiziki Gos. komiteta po ispol'zovaniyu atomnoy energii SSSR)

TITLE: Remark concerning C-odd multipoles

SOURCE: USSR. Gosudarstvenny komitet po ispol'zovaniyu atomnoy energii. Institut
teoreticheskoy i eksperimental'noy fiziki. Doklady, no. 385, 1965. Zamechaniye
o C-nechetnykh mul'tipolyakh, 1-11

TOPIC TAGS: parity principle, elementary particle, electron scattering, boson,
fermion, nuclear spin, quantum electrodynamics

ABSTRACT: The authors discuss the possibility of the presence of C-odd terms in
the vertices of particles of angular momentum $J \geq 1$ and show that in the case of
particles with spin $J > 1/2$ the violation of charge invariance in electrodynamics
leads to the appearance of C-odd form factors. The number of such form factors is
equal to $J - 1/2$ for fermions and J for bosons. The presence of a C-odd and ver-
tex parts with $J \geq 1$ can give rise to certain correlations which might become ob-

Card 1/2

L 01076-67 EWT(1)

ACC NR: AP6028207

SOURCE CODE: UR/0367/66/003/006/1154/1160

AUTHOR: Kobzarev, I. Yu.; Okun', L. B.; Pomeranchuk, I. Ya.

ORG: Institute of Theoretical and Experimental Physics of GKIAE (Institut Teoreticheskoy i Eksperimental'noy Fiziki GKIAE)

TITLE: The possibility of experimental detection of mirror particles

SOURCE: Yadernaya fizika, v. 3, no. 6, 1966, 1154-1160

TOPIC TAGS: mirror particles, particle interaction, electromagnetic interaction, decay, neutrino, gravitation

ABSTRACT: The possible existence of "mirror" particles (R) in the solar system in addition to the usual particles (L) is considered in connection with the observed violation of CP-invariance in the $K_s^0 \rightarrow 2\pi$ decay. Their introduction restores the left-right equivalency. It is shown that mirror particles cannot interact with usual particles strongly, semi-strongly or electromagnetically. Weak interactions between L and R particles, due to the exchange of neutrinos, are possible. The L and R particles must have a common gravitational interaction. The question of the existence of macroscopical bodies (stars) consisting of R-matter and their possible

Card 1/2

KOBZAREV, Petr Artem'yavich; CHMUTIN, M.S., kand.tekhn.nauk, red.;
KUKLIN, P.V., red.; ZIBROVA, K.D., tekhn.red.

[Miniature thermoelectric power plants] Miniatiurnye termo-
elektrostantsii. Pod red. M.S.Chmutina. Stalingrad, Knishnos
1zd-vo, 1958. 34 p. (MIRA 13:9)
(Thermoelectric generators)

KOBZAREV, P.A., tekhnik

We suggest. Nauka i shishn' 27 no.2:78 P '60.
(MIRA 13:6)

1. Elektrokardiograficheskiy kabinet bol'nitsy No.10,
Stalingrad.
(ELECTROCARDIOGRAPHY) (MEDICAL INSTRUMENTS AND APPARATUS)

KOBZAREV, Yu. B.

"The Theory of a Vacuum-Tube Oscillator with Two Degrees of Freedom," Zhur. Tekh.
Fiz., 20, No.11, 1950

1. KOBZAREV, Yu. B.
2. USSR (600)
4. Physics and Mathematics
7. Oscillations and Waves, O. S. Gorelik. (Moscow-Leningrad, State Technical Press, 1950). Reviewed by Yu. B. Kobzarev, Sov. Kniga, No. 10, 1951.

Lib

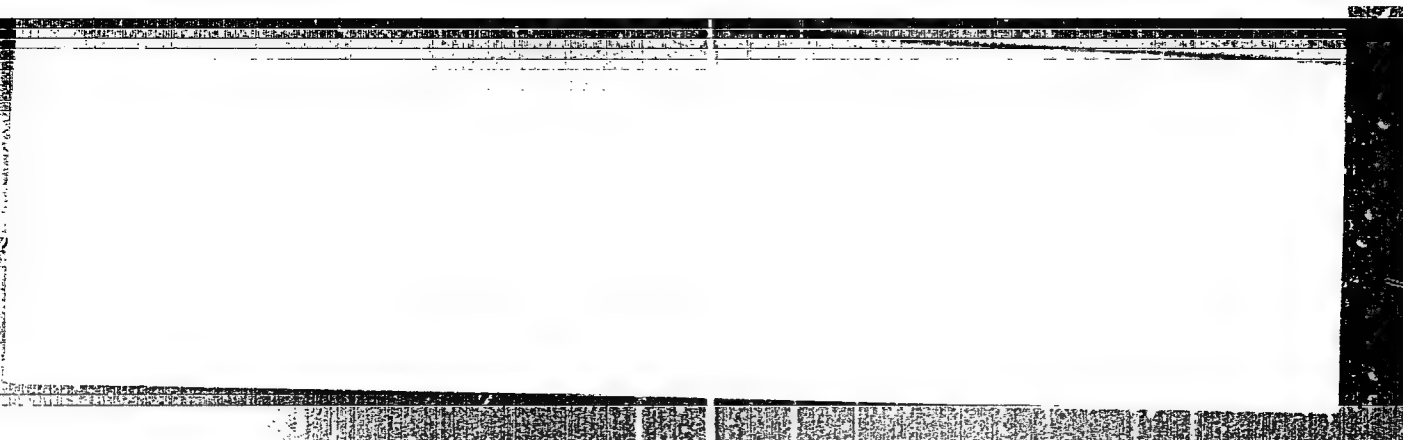
9. ~~U-3081~~ Report U-3081, 16 Jan. 1953, Unclassified.

KOBZAREV, Yu.B.; BASHARINOV, A.Ye.

Effectiveness of search algorithms based on a method of test
steps with controlled duration. Radiotekh. i elektron.
no.9:1411-1419 8 '61. (MIRA 14:8)
(Electronic control)

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CIA-RDP86-00513R000723420010-2"

L 6325-66 EWT(m)/T/2WP(t)/EWP(b)/EWA(c) IJP(c) JD

ACCESSION NR: AP5019864

UR/0181/65/007/008/2450/2458

AUTHOR: Distler, G. I.; Kobzareva, S. A.

TITLE: Direct observation of active centers of semiconductor crystal surfaces

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2450-2458

TOPIC TAGS: electron microscopy, semiconductor crystal, crystal surface, surface active agent, silicon, single crystal **fb**

ABSTRACT: The authors describe a new electron-microscopic decoration method, developed at the Institut kristallografi AN USSR (Institute of Crystallography AN SSSR), and based on selective crystallization of the decorating matter on those surface centers which are most active for the given crystallization chemical reaction. This method was used experimentally to investigate the surface of single-crystal p-type silicon (resistivity ~ 7 ohm-cm), grown from the melt by the Czochralski method. The surface of the crystal was grown and polished, and then treated with solutions of lead acetate (4%), thio-urea (2%), and caustic potash (2.8%) taken in a ratio 1:3:3. The reaction temperature was 30°C. Corbin replicas of the surface were examined in a Hitachi-11 electron microscope. The decoration patterns showed the presence of distinct strips, alternately filled with discrete lead sulfide crystallites and without such crystallites. A distinction is made between

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L 6325-66

ACCESSION NR: AP5019864

several crystallization centers having different physical and chemical properties. Several typical decoration patterns and the histograms of the lead sulfide crystals grown on the different active centers are present. It is claimed in the conclusion that these experiments represent the first successful observation of the impurity structure of silicon surfaces with high resolution unattainable by any other method except electron microscopy. The method developed makes it possible to establish on the surface of the crystals the presence and the number of active centers, the geometry of their arrangement, and also the kinetics of their variation resulting from various surface processes. Orig. art. has: 6 figures and 1 formula.

ASSOCIATION: Institut kristallografii AN ESSR, Moscow (Institute of Crystallography, AN SSSR)

SUBMITTED: 16Mar65

ENCL: 00

SUB CODE: 88

NR REF SOV: 005

OTHER: 005

BW
Card 2/2

KOBZDEJ, Wladyslaw (Strzegom)

Stanislaw Majerski's share in the evolution of Polish
hypsometric maps. Czasop geograf 34 no.3:241-249 '63.

DISTLER, G.I.; KONZAREVA, S.A.

Direct observation of active centers of semiconductor crystal surfaces. Fiz. tver. tela 7 no.8:2450-2458 Ag '65.

(MIRA 18:9)

1. Institut kristallografi AN SSSR, Moskva.

	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453
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SYBCHNIKOV, V.M.; KOBELEKO, G.F.; KOCHERZHINSKIY, Yu.A.

Investigating by differential thermal analysis transformations in
chromium during heating and quenching. Issl. po sharopr. splav.
6:238-239 '60. (MIRA 13:9)
(Chromium-Heat treatment) (Thermal analysis)

8/601/60/000/011/003/014
D207/D304

AUTHORS: Svechnikov, V. N., Kobzenko, G. P., and
Kocherzhinskiy, Yu. A.

TITLE: On the problem of polymorphism of chromium

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut
metalofizyky. Sbornik nauchnykh rabot. no. 11.
1960. Voprosy fiziki metallov i metallovedeniya,
28-29

TEXT: The authors report observations on phase transformations in electrolytic chromium, reduced in hydrogen and subjected to zone refining in the Otdel tekhnologii splavov Instituta metallofiziki AN USSR (Division of Alloy Technology, Institute of Metal Physics, AS UkrSSR) by V. G. Yepifanov. Differential thermal analysis was carried out using a method described by G. P. Kobzenko and Yu. A. Kocherzhinskiy (Ref. 2: Op. cit., pp. 160-163). The results obtained are shown in a figure as heating

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On the problem of...

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curves obtained directly (I) and differentially (II). Curve I has a horizontal plateau representing melting. Curve I should be regarded as approximate because the apparatus was calibrated using the melting point of platinum (1773°C) as the upper temperature; the calibration graph had to be extrapolated beyond this point. Curve II shows no special features up to 1750°C. At this temperature, the curve begins to rise due to vaporization of chromium (the experiments were carried out in argon at a pressure close to atmospheric). At higher temperatures, curve II shows superposition of vaporization and melting. Neither curve I nor curve II has any features which might indicate allotropic transformations. This contradicts the results reported by D. S. Bloom et al. There are 1 figure and 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: D. S. Bloom, J. W. Putnam, H. F. Grant, J. of Metals, 4, no. 6, 626, 1952. [Abstracter's note: Essentially complete translation.]

SUBMITTED: September 15, 1959
Card 2/3

S/601/60/000/011/014/014
D207/D304

AUTHORS: Kobzenko, G. P., and Kochershinskiy, Yu. A.
TITLE: Differential thermal analysis of refractory alloys
SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut metalofizyky. Sbornik nauchnykh rabot. no. 11. 1960. Voprosy fiziki metallov i metallovedeniya, 160-163

TEXT: The authors describe an apparatus for differential thermal analysis of metals and alloys at temperatures up to 2000°C. The apparatus was developed at the Otdel metallovedeniya Instituta metallofiziki AN USSR (Metallography Division, Institute of Metal Physics, AS UkrSSR). The main novel features of the apparatus are its thermoelectric detector and its thermostat. A cylindrical sample (10 in Fig. 1) is placed in a refractory crucible 7 with a ceramic cover 9. The crucible stands freely

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Differential thermal...

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D207/D304

at a thermocouple 6. Another thermocouple 4 is separated from 6 by a ceramic plate 5 and lies on a plate 3. The couple 4 serves as the standard; it records the conditions within a molybdenum or tungsten thermostat. The thermostat consists of a casing 13 and a cover 12; it is insulated from the sample and the couples by a ceramic cylinder 11 with a cover 8, and it is fixed to a ceramic tube 14. Leads 1 of the thermocouples are protected by a ceramic tube 2. The detector thermocouple is shown in greater detail in a second figure. The thermostat is placed in a furnace with a tungsten heater and water-cooled copper leads. Thermal insulation of the furnace is provided by ceramic and metal shields as well as an outer water-cooled metal jacket. The heater is supplied by two 1.2 kW transformers. The working space is evacuated to 10^{-3} mm Hg or filled with argon. For this purpose, pumps ЛБЛ-100 (TsVL-100) and BH-461 (VN-461) are used. Vacuum measurements are carried out with gauges ЛТ-2 (LT-2) and BT-2 (VT-2). The apparatus is

Card 2/43

35179

S/601/61/000/013/011/017
D207/D302

18.1735

AUTHORS: Svechnikov, V. N. and Kobzenko, G. F.

TITLE: An investigation of the ternary system chromium-niobium-molybdenum

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut metalofyzyky. Sbornik nauchnykh rabot, no. 13, 1961. Voprosy fiziki metallov i metallovedeniya, 115-117

TEXT: The authors report some results on the composition and hardness of Cr-Nb-Mo alloys prepared by melting in an argon-filled arc furnace. After annealing at 1550°C for 32 hours and quenching, two homogeneous phases, α and β , and a two-phase region ($\alpha + \beta$) were found. Differential thermal analysis of the pseudobinary alloys Cr₂Nb-Mo gave a constitutional diagram with a eutectic point at 15% Mo and a peritectoid transition at 1620°C. Hardness was measured with the BAM-1M (VIM-1M) apparatus using a diamond indenter in vacuum. It was found that addition of Nb and Mo to Cr increased

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X

An investigation of ...

S/601/61/000/013/011/017
D207/D302

the latter's hardness at temperatures up to 1000°C. There are 2 figures and 1 table.

SUBMITTED: August 15, 1960

Card 2/2

X

8/137/62/000/008/033/065
A006/A101

AUTHORS: Svecnikov, V. N., Kobzenko, O. P.

TITLE: On the investigation of ternary system chromium-columbium-molybdenum

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 8, 1962, 24, abstract 8I159
("Sb. nauchn. rabot In-ta metallofiz. AN UkrSSR", 1961, no. 13, 115 - 117)

TEXT: Differential thermal and microscopical analyses and hardness measurements during heating were used to investigate Cr-Nb-Mo alloys melted in an arc furnace in argon atmosphere from pure initial materials; the materials were annealed at 1,550°C for 32 hours in argon atmosphere and quenched from this temperature. A phase diagram of a quasi-binary Cr₂Nb-Mo section of the Cr-Nb-Mo system was plotted; this diagram pertains to the eutectic type with eutectics at 15% Mo and an eutectic horizontal at 1,680°C. At 1,630°C a peritectoid transformation is observed which is caused by the presence of polymorphism in the Cr₂Nb intermetallic at 1,620 C. The ranges of the ε- and β-phases occur up to a Mo content <1.5%. Alloying of Mo and Nb promotes the preservation of the initial Cr hardness

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S/601/62/000/016/029/029
E111/E451

AUTHORS: Svechnikov, V.N., Kocherzhinskiy, Yu.A., Shurin, A.K.,
Pan, V.M., Spektor, A.Ts., Kobzenko, G.F., Boyko, Yu.A.
TITLE: Equipment for the physico-chemical investigations on
high-melting chemically active metals
SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut metal'fizyky.
Sbornik nauchnykh rabot. no.16. Kiev, 1962. Voprosy
fiziki metallov i metallovedeniya. 220-230

The following equipment has been developed over several years in the Otdel metallovedeniya (Department of Science of Metals) of Institut metallofiziki AN UkrSSR (Institute of Physics of Metals AS UkrSSR) for studying alloys such as chromium-niobium-titanium. 1) Arc furnace, including casting facilities, in which vacuum of 10^{-2} mm is followed by admission of argon to a pressure of 0.2 atm. [Abstracter's note: 10^{-2} mm is a very poor vacuum and the equipment would not work as described.] The argon is then purified in the furnace by a molten titanium getter. A rotary arrangement enables a clean section of the inspection window to be moved into position without breaking the vacuum. 2) Air purification plant in which air and moisture are removed and 1/2

ACCESSION NR: AT4010700

S/2601/63/000/017/0209/0210

AUTHOR: Kocherzhinskiy, Yu. A.; Kobzenko, G. P.; Pan, V. M.; Sviridenko, V. K.;
Yupko, L. M.

TITLE: Calibration of the VR-5/20 thermocouple according to critical points up to
3000C. Determination of the melting points of vanadium and niobium of high purity

SOURCE: AN UkrRSR. Instytut metalofiziky*. Sbornik nauchnykh trudov, no. 17,
1963. Voprosy fiziki metallor i metallovedeniya, 209-210

TOPIC TAGS: thermocouple, VR-5/20 thermocouple, thermocouple calibration,
vanadium, niobium, vanadium melting point, niobium melting point, tungsten rhenium
alloy

ABSTRACT: After calibration studies using the melting points of silver, gold,
iron, nickel, palladium, platinum, chromium, molybdenum, and tantalum had shown
that the VR-5/20 thermocouple (consisting of electrodes made of tungsten alloys
containing 5 and 20% rhenium, respectively) could be used for the accurate de-
termination of temperatures up to 3000C, the authors applied the technique of
V. S. Mikhayev to the determination of the melting points of vanadium (1950C)
and niobium (2520C). "In conclusion, the authors would like to thank A. M.
Gurevich and Ye. I. Pavlova for making the thermocouple available." Orig. art.
Card 1/2

ACCESSION NR: AT4010700

has: 1 figure and 1 table.

ASSOCIATION: Instytut metalofizyky AN UkrSR (Metallophysics Institute, AN UkrSR)

SUBMITTED: 00

DATE ACQ: 31Jan64

ENCL: 00

SUB CODE: ML

NO REF SOV: 003

OTHER: 001

Cord 2/2

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... diagram alloy. chromium alloy. ... alloy.

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APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2"

ACC NR: ~~AT6010689~~ ENI(m)/T/ENP(t)/ETI LJP(c) JD/JG/GD
 SOURCE CODE: UR/0000/86/000/000/0147/0158

AUTHOR: Syvchikov, V. N. (Academiolian AN UkrSSR); Kobzenko, G. F.

ORG: Institute of Metal Physics, AN UkrSSR (Institut metallofiziki AN UkrSSR)

TITLE: Phase equilibrium diagram of the chromium-niobium-molybdenum system

SOURCE: AN UkrSSR. Fazovyye prevrashcheniya v metallakh i splavakh (Phase transformations in metals and alloys). Kiev, Naukova dumka, 1966, 147-158

TOPIC TAGS: chromium alloy, niobium alloy, molybdenum alloy, alloy phase diagram, x ray analysis, thermal analysis

ABSTRACT: The Cr-Nb-Mo system was studied chiefly by differential thermal and x-ray structural analyses on 223 ternary and 78 binary alloys, both cast and annealed. Auxiliary methods employed were microstructural and dilatometric analyses and macro- and micro-hardness techniques. The results permitted the construction of a complete phase diagram of the Cr-Nb-Mo system under close-to-equilibrium conditions. The over-all appearance of the diagram (see Fig. 1) was determined by plotting binary diagrams, six isothermal diagrams, eight polythermal sections (five radial ones originating from NbCr₃, plotted on the basis of experimental data, and five isothermal and twelve polythermal sections (one radial), plotted mainly by interpolation. Alloys of this system in the range from 1000C to temperatures above the melting point of molybdenum can exist in thirteen phase states, four of which (L, L + α , L + ζ , L + ζ + α) are equilibrium systems containing a liquid and solid

47
B+1

Card 1/2

SOV/2-58-11-5/18

AUTHORS:

Govorova, V., Senior Economist; Kobzev, A., District Inspector (Stalinskiy rayon, Akmolinskaya oblast)

TITLE:

The Lessons of the Test Census Takings Have Been Considered (Uchteny uroki probnoy perepisi)

PERIODICAL:

Vestnik statistiki, 1958, Nr 11, pp 25-29 (USSR)

ABSTRACT:

The authors describe the particular conditions in the Stalinskiy district (Akmolinskaya oblast') and enumerate all preparations performed for the All-Union census in January 1959. There are 2 tables.

ASSOCIATION:

Upravleniye po provedeniyu Vsesoyuznoy perepisi naseleniya TsSU SSSR (The USSR TsSU Administration Conducting the All-Union Census); TsSU SSSR (The USSR Central Administration of Statistics)

Card 1/1

KOBZEV, A.

People in the Altai Territory are working according to the new
methods. Obshchestv. pit. no. 7:24-27 J1 '62.
(MIRA 15:10)

1. Instruktor Altayskogo krayevogo komiteta Kommunisticheskoy
partii Sovetskogo Soyusa, Barnaul.

(Altai Territory - Restaurants, lunchrooms, etc.)

KOBZEV, A. A.

VINOKUROV, B. N., tekhnik; KOBZEV, A. A., radiotekhnik

Automatic switching-in of a RK-0,5 radio station. Vest.
aviatsi 15 no. 4:30 Ap '55. (MLRA 8:6)

(Radio stations)

10007. **KOBZEV, A. F.** Zapol'ar'e. ((In: *Enciklopedicheskii slovar' voennoi meditsiny*, ed. E. I. Smirnov. Moskva, 1947. t. 2, col. 758-78, illus., diagrs., map) *Title tr.: Polar territories.* (In: *Encyclopedic dictionary of war medicine*). Contains remarks on the extent of the area (north of 66°30' N. lat.) and outline (in brief) of World War I, the Revolution, Intervention and liberation in the area; (in more detail): the organization of military medical services during that period; World War II; physical geography and its significance for military medical operations (relief, geology and soil, lakes and rivers, swamps, peat bogs, etc.) peat, its composition and use; climate (temperatures, precipitation, winds and storms, etc.), local fuels; huts and tents; roads; diseases in some army units in the area; special hygiene and clothing requirements for this area; personal hygiene and clean-

World War I, the Revolution, Intervention and liberation in the area; (in more detail): the organization of military medical services during that period; World War II; physical geography and its significance for military medical operations (relief, geology and soil, lakes and rivers, swamps, peat bogs, etc.) peat, its composition and use; climate (temperatures, precipitation, winds and storms, etc.), local fuels; huts and tents; roads; diseases in some army units in the area; special hygiene and clothing requirements for this area; personal hygiene and cleanliness; evacuation of wounded military personnel; equipment of medical and sanitary units, etc. The article is based on Russian experience in the two world wars and consequently relates only to the European Arctic. Bibliography (about 50 items).
Copy seen: DSG.

A. F., COL, (MED)

PA 53772

Medicine - Medicine, Military
Medicine - Therapy

Nov 1947

"Some Questions of Therapy and Organization of Medical Officers During Peace," Col A. F. Kobsev (Med), 38 pp

"Voen-Medits Zhurnal" No 11

Describes briefly changes made in organization and methods of treatment by medical officers, for service during peace. Outlines staffs necessary for clinical establishments, hospitals, etc.

10

53772

DOKUCHAYEV, M.M., inzh.; KOZNEV, A.I., inzh.

Constructing dams by the method of directed blasting. Nov. tekhn. i
pered. op. v stroi. 20 no.9:15-17 s #58. (MIRA 11:10)

(Dams) (Blasting)

KOBZEV, D.I.

[Ice cream manufacture] Proizvodstvo мороженого. Moskva, Glav-
khladoprom, 1948. 342 p.
(Ice cream, ices, etc.) (MIRA 812)

KOBZEV, D. I.

Technology

Making ice cream, Moskva, Pishchepronizdat, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December 195³/₂, Uncl.

1. KOBZEV. D., Eng.
2. USSR (600)
4. Komarov, Nikolai Stepanovich
7. "Refrigeration technology in commercial enterprises."
N. S. Komarov. Reviewed by Eng. D. Kobzev. Khok. tekhn. 29 No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1. KOBZEV, D., ENG.
2. USSR (60)
4. Ice Cream, Ices, Etc.
7. Keeping ice cream for long periods. Khol, tekhn. 29, no. 4, 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KOMAROV, N.; MARTYNOVSKII, V.; KOBZEV, D., Engr.

Matalasov, S. F.

Textbook with shortcomings ("Refrigerated transportation" S.F. Matalasov.
Reviewed by Profs. N. Komarov, V. Martynovskii, Eng. D. Kobzev).
Khol. tekhn 30 No. 1, 1953

Monthly List of Russian Accessions. Library of Congress, June 1953, Uncl.

KOBZEV, B., inzhener.

Plans for economical meat plants. Mias. ind. SSSR no.2:30-31 '57.
(Meat industry)
(MIRA 10:5)

KORZEV, D. A. Inshener.

Further application of new refrigeration developments. Miss.ind.
SSSR 28 no.1:19-21 '57. (MIRA 10:3)
(Refrigeration and refrigerating machinery)
(Meat, Frozen)

KOBZEV, F.F.

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957, 123-1-1853
Nr 1, p.267 (USSR)

AUTHORS: Rustamov, E.M., Kobzev, F.F.

TITLE: Bell Socket for Fishing out Deep Well Insert Pumps
(Rod Pumps*) (Kolokol dlya lovli vstavnykh glubinnykh
nasosov)

PERIODICAL: Novosti neft. tekhniki, Neftepromysl. delo, 1956,
Nr 3, pp.23-25

ABSTRACT: Description is given of four types (KB-19, KB24-19, KB3-22,
and KB4-25), of special fishing bell sockets for re-
trieving deep well insert pumps, developed by the Bureau
of Deep Pumps of the AZINMASH (Azerbaijani Scientific
Research Institute of Machine Building for the Oil
Industry). These sockets are used to retrieve HFB1
insert pumps (in case of broken rods or while unscrewing

Card 1/2

Bell Socket for Fishing out Deep Well Insert Pumps (Cont.) 123-1-1853

them from the plunger cage or from the adapter) without removing the column of pump compressor pipes. The socket consists of an adapter, a branch pipe and body. The lower part of the body has a metal thread of large pitch matching the thread on the pump guiding rod. The socket may be lowered while the drilling fluid is in the pipe column. A table with technical data of fishing bell sockets is provided.

S.Yu.M.

*Rod pump- a more recent term, according to the 'Petroleum Production Engineering' by Lester C. Uren.

Card 2/2

ACC NR: ENT(1)/T LJP(c)
AP6029770 SOURCE CODE: UR/0294/66/004/004/0473/0479

AUTHOR: Kobzev, G. A.; Norman, G. E.; Saryakov, K. I. 55
 13

ORG: Moscow Power Engineering Institute (Moskovskiy energeticheskiy institut); High Temperature Scientific Research Institute (Nauchno-issledovatel'skiy institut vysokikh temperatur)

TITLE: Determination of photoionization cross sections from the oscillator strengths of spectral lines

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 4, 1966, 473-479

TOPIC TAGS: oscillator strength, photoionization, photoionization cross section, spectral line, IONIZATION = CROSS SECTION

ABSTRACT: It is pointed out that the photoionization cross section in the prethreshold region can be calculated by extrapolation, i.e., by extrapolating a smooth curve drawn through the points representing the oscillator strengths for a group of lines of a spectral series. Using this method the authors calculated the cross sections for photoionization from the ground state of Al, Ga, In, and Sr. It is pointed out that when both the cross sections for photoionization and oscillator strengths have been measured, the correspondence between the cross sections and the density of oscillator strengths can be used to deter-

Card 1/2 UDC: 533.933

25(1)

AUTHOR:

Kobzev, I.F., Engineer

SOV/135-59-3-12/24

TITLE:

The Development of Welding at the Chelyabinsk Tractor Plant
(Razvitiye svarki na Chelyabinskoy traktornom zavode)

PERIODICAL:

Svarochnoye proizvodstvo, 1959, Nr 3, pp 23-27 (USSR)

ABSTRACT:

This is a general review of the development of welding at the Chelyabinsk Tractor Plant as follows: a pulsation conveyor (Fig. 6) for the assembly and welding of the lengthwise chassis members; a spot welding manipulator; a vibro-arc head (designed by Engineer G.P. Klekovkin and built for the first time in 1953) designed for restoring worn machine parts and damaged surfaces. The plant has developed the automatic coating of high-speed steel on milling cutter blanks of steel "45" or "45Kh". The method consists in the use of high-speed steel rods laid into grooves milled in the cutter blank (Fig. 11) and fused. There are 6 photos, 6 diagrams and 2 tables.

Card 1/1

KORZEV, I.F., inzh.

Some problems concerning the quality, reliability, and durability
of welded tractor parts. Svar. proizv. no.7:4-6 J1 '65. (MIRA 18:8)

1. Chelyabinskiy traktorny zavod.

KOBZEV, Isay Fedorovich; MASLOV, Yu.A., inzh., retsentsent; YES'KOV,
K.A., dotsent, red.; DENISOV, Yu.A., inzh., red.; MARCHENKOV,
I.A., tekhn.red.

[Gas-arc welding] Gaselektricheskaia svarska. Pod red. K.A.
Ma'kova. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry,
1960. 47 p. (Nauchno-populiarnaiia biblioteka rabochego-svarshchika,
no.15). (MIRA 14:2)
(Electric welding) (Protective atmospheres)

KOBZEV, I.F., insh.; KARPOVA, N.A., insh.

Automatic welding of the S-100 tractor frame joints. Svar.proisv.
no.6130-32 Je '60. (MIRA 13:7)

1. Chelyabinskiy traktorny zavod.
(Tractors--Welding)

KOBZEV, I.P., inzh.

Mechanization of welding operations in tractor building.
Svar. proisv. no.10:29-31 0 '61.

(MIRA 14:9)

1. Chelyabinskiy traktorny zavod.
(Electric welding—Equipment and supplies)
(Tractors—Welding)

KOEZEV, I.F.

Automatic welding of intricately shaped parts with the help of a
master form. Avtom.svar. 15 no.4:71-72 Ap '62. (MIRA 15:3)

1. Chelyabinskiy traktorny zavod.
(Electric welding—Equipment and supplies)

KOEZEV, I.I.; KORSHUN, T.V.

Friction welding at the Chelyabinsk Tractor Plant. Avtom. svar.
15 no.1:64-72 Ja '62. (MIRA 14:12)

1. Chelyabinskiy ordenov Krasnoy Zvezdy i Kutuzova I stepeni
traktornyy zavod.

(Chelyabinsk---Tractor industry)
(Cold welding)

KOBZEV, I.P., inzh.

New group of welding engineers. Svar. proizv. no.10:45 0 '63.
(MIRA 16:11)
1. Predsedatel' Gosudarstvennoy ekzaminatsionnoy komissii Chelya-
binskogo instituta.

KOBZEV, K. (Robno)

Training on motorcycles. Posh,delo 3 no.5:23 My '57. (MIRA 10:7)
(Fire departments--Equipment and supplies)

KOBZEV, M.S.; BORISOV, P.S.

Physics majors are leading scientific clubs in rural schools.
Politekh. sbuch. no. 7:80-81 J1 '88. (MIRA 11:8)
(Students' societies)

GORCHAKOV, Svyatoslav Petrovich; KOBZEV, Nikolay Andreyevich; ISTOMIN,
S.N., otv. red.; SILINA, L.A., red. izd-va; MINSKER, L.I.,
tekhn. red.; LOMILINA, L.N., tekhn.red.

[Guide for the track maintenance worker] Spravochnoe posobie pu-
tevogo rabochego. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
gornomu delu, 1961. 62 p.

(MIRA 15:2)

(Railroads—Track)

KOBZEV, N.A.

Relations between the division and track machinery stations.
Put' 1 put.khoz. 9 no.6:17 '55. (MIRA 18'6)

1. Nachal'nik distantai puti,stantsiya Moskva-Kazanskaya.

ACC NR,

AT6037043

SOURCE CODE: UR/0000/66/000/000/0044/0054

AUTHOR: Likharev, V. A. (Candidate of technical sciences); Dobrolyubov, L. V. (Engineer); Kobzev, N. A. (Engineer)

ORG: none

TITLE: Simulation of random numbers on an electronic digital computer

SOURCE: Moscow, Aviatsionnyy Institut. Teoriya i tekhnika radiolokatsii (Radar theory and techniques); sbornik statey, no. 1, Moscow, izd-vo Mashinostroyeniye, 1966, 44-54

TOPIC TAGS: computer simulation, digital computer, random number, random number simulation / BESM-2M digital computer

ABSTRACT: Methods are received of obtaining random number sequences with a given law of distribution by means of uniformly distributed random numbers. Output programs of the latter are presented on a high-speed BESM-2M computer. As examples, a description is given of the derivation of one-dimensional normal, exponential, Rayleigh and generalized Rayleigh laws, as well as of the results of

Card 1/2

UDC: 681.142.4:621.396.965(04)

ACC NR APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2

the verification of the correlation of uniform distribution, of the coincidence of the normal and given distributions, and of an evaluation of the numerical characteristics by the method of confidence intervals. Orig. art. has: 12 formulas, 2 figures, 2 tables and 4 appendixes. [Translation of abstract] [DW]

SUB CODE: 09/SUBM DATE: 15/11/66/ORIG REF: 005/OTH REF: 001/

Card 2/2

KOBZEV, P.

Improve the technical training of communal workers. Zhil.-kom. khoz.
8 no. 8:4-5 '58. (MIRA 11:8)

1. Zamestitel' direktora instituta tekhnicheskogo obucheniya
Ministerstva kommunal'nogo khozyaystva RSFSR po uchebnoy chasti.
(Moscow--Technical education)

KOBZEV, P.

Institute of Technical Training helps public service employees to
improve their qualifications. Zhil.-kom. khos. 10 no.12:12-13 '60.
(MIRA 13:12)

1. Zamestitel' direktora po uchebnoy chasti Instituta tekhnicheskogo
obucheniya.

(Technical education)

KOBZEV, P., inzh.

Traffic intervals and the efficient operation of urban motor-
buses. Avt.transp. 41 no.211-13 P '63. (MIRA 16:2)
(Motorbus lines)

KOBELEV, P.

Flexible floating containers for marine transportation. M.r. 51st
24 no.12140 D '64. (MIRA 1818)

1. Glavnyy redaktor Ekspress-Informatsii Voennoy i tekhnicheskoy informatsii AN SSSR.

L 17327-63

BDS

ACCESSION NR: AP3004901

S/0120/63/000/004/0112/0115

AUTHOR: Batrakov, B. P.; Kobsev, P. M.

51
50

TITLE: Omegatron for ultrahigh-vacuum measurements

SOURCE: Pribury i tekhnika eksperimenta, no. 4, 1963, 112-115

TOPIC TAGS: omegatron, ultrahigh vacuum

ABSTRACT: The principal shortcoming of existing omegatron designs has been the fact that exhaust slots between electrodes are too narrow. A new design is described with perforated electrodes that make the exhaust rate higher by one order. The total area of perforations in this "transparent" design is about 1,000 mm². Experimental verification has shown (mass-spectrogram supplied) that the transparent omegatron has a substantially lower background noise. Ion current vs. catching voltage, and ion current vs. electron current characteristics are given, as well as data on the residual atmosphere of the hydrogen

Card 1/2

L 17327-63

ACCESSION NR: AP3004901

condensation-type vacuum pump. Orig. art. has: 5 figures.

ASSOCIATION: Fiziko-tekhnicheskii institut AN UkrSSR (Physico-Technical Institute, AN UkrSSR)

SUBMITTED: 12Sep62

DATE ACQ: 28Aug63

ENCL: 00

SUB CODE: PH, GE

NO REF SOV: 001

OTHER: 001

Card 2/2

BOROVIK, Ye.S.; BATRAKOV, B.P.; KOBZEV, P.M.

Helium liquefier with flow-through liquid heat exchangers.

Prib. 1 tekhn. eksp. 9 no.4:197-200 J1-Ag '64. (MIRA 17:12)

KORZEV, P.P.

Study of passenger flow for rational utilisation of rolling
stock. Sbor.nauch.rab.AKKH no.13:218-226 '62. (MIRA 16:4)
(Local transit)

KOBZEV, V., kandidat tekhnicheskikh nauk.

Semiconductors in the aeronautics of the near future. Orazhd. sv.
13 no.4:17 Ap '56. (MIRA 9:7)
(Semiconductors)

KOBZEV, V.

Semiconductors in aviation in the near future. Tr. from the Russian. p.46.
(RADIO I TELEVIZIIA, Vol. 6, no. 7, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

KORZEV, V.

2-58-4-9/14

AUTHORS: Avdyugina, T., Bunatyan, Sh., Ginzburg, Ye., Kozlova, K.,
Economists; Korzev, V., Engineer-Mechanizer

TITLE: Active Help Needed (Nushna pomoshch' delom)

PERIODICAL: Vestnik Statistiki, 1958, Nr 4, pp 80-81 (USSR)

ABSTRACT: The article is a report by a number of statisticians and
computer experts from the USSR Central Statistical Adminis-
tration sent in January 1958 to assist the Georgian Statis-
tical Administration. Undertakings and firms had been neg-
ligent and dilatory in furnishing the required statistical
reports. In addition, there had been insufficient co-
operation and synchronisation between branch departments
and computer stations. As a result of warnings issued
to undertakings and improved methods adopted in computer
stations, the efficiency of dispatching, processing, and
analysing data greatly increased and reports were published
on time. It is recommended that more such brigades be
sent.

Card 1/2

Active Help Needed

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723420010-2

ASSOCIATIONS: TsSU SSSR (TsSU USSR)

Soyuzmashuchet TsSU SSSR (Soyuzmashuchet TsSU USSR)

AVAILABLE: Library of Congress

Card 2/2

L 26778-66 EWT(m)

ACC NR: AP6017443

SOURCE CODE: UR/0361/65/000/002/0003/0009

AUTHOR: Kobzev, V. A.; Takibayev, Zh. S.; Shalagina, Ye. V.

ORG: none

TITLE: Effect of the cascade process on the output of helium isotopes during the interaction of 9 Bev primary protons with the nuclei of a photoemulsion

SOURCE: AN KazSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 2, 1965, 3-4

TOPIC TAGS: isotope, proton interaction, alpha particle, photographic emulsion, angular distribution, nucleon

ABSTRACT: The article is a description of an experiment conducted to explain the mechanism of the formation of Δ -particles with a kinetic energy of ≥ 100 Mev which are given off when 9 Bev protons interact with the nuclei of a photoemulsion. It was proposed that Δ -substructures exist inside a nucleus which act like free Δ -particles when they interact with nucleons. Descriptions of the various nuclear particles are presented on the basis of the above assumptions, together with results from analysis of 69 stars formed under the above conditions. The angular distributions of the tracks are given, together with explanations for deviations from other works. The conclusion is drawn that the emission of

Cwd 1/2

L 26778-66

ACC NR: AF-017443

all α -particles from nuclei cannot be explained by quasielastic scattering of cascade protons in the innernuclear α -substructures. To fully explain the role of the α -particle cascade, further investigation is required. In particular, α -particle formation will be studied during interaction of 19.5 BeV protons with the atomic nuclei of a photoemulsion. Orig. art. has: 4 figures and 1 table. [JPRS]

SUB CODE: 20, 18 / SUBM DATE: 22 Jan 64 / ORIG REF: 009 / OTH REF: 007

Card 2/2 *pla*

24 6700

S/048/62/026/005/006/022
B108/B104

AUTHORS: Takibayev, Zh. S., Kobzev, V. A., Tsadikova, G. R., and
Shalagina, Ye. V.

TITLE: Emission of doubly-charged high-energy particles in proton-
induced nuclear fission processes

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26,
no. 5, 1962, 592-595

TEXT: In order to find the origin of the high-energy fragments from
star-type nuclear fission processes induced by cosmic rays, the authors
looked for doubly-charged high-energy particles in stars caused by 9-Bev
protons in photoemulsion. The traces of all Z=2 particles were identified
as belonging to alphas with energies ranging from about 100 to about
2000 Mev. Some of these traces, however, may also pertain to He³ nuclei
which are difficult to distinguish from alphas. There are 3 figures
and 1 table.

Card 1/1

KORZEV, V.A.; LUKIN, Yu.T.; TAKIBAYEV, Zh.S.; TSADIKOVA, G.R.; SHALAGINA,
Ye.V.

Proton-proton interaction at an energy of 9 Mev. Zhur. eksp. i
teor. fiz. 41 no.3:747-751 8 '61. (MIRA 14:10)

1. Kazakhskiy gosudarstvennyy universitet.
(Protons) (Collisions (Nuclear physics))

TAKIBAYEV, Zh.S.; ~~KOBZEV, V.A.~~; TSADIKOVA, G.R.; SHALAGINA, Ye.V.

Emission of doubly charged high energy particles in nuclear
fissions caused by protons. Izv.AN SSSR.Ser.fiz. 26 no.5:
592-595 Ap '62. (MIRA 15:5)
(Cosmic rays) (Nuclear fission) (Protons)

KOBZEV, V.A.; TAKIBAYEV, Zh.S.; SHALAGINA, Ye.V.; SHTERN, G.R.

Analysis of high-energy helium isotopes emitted in the interaction of protons with photoemulsion nuclei. Trudy Inst. iad. fis. AN Kazakh. SSR 6:133-139 '63. (MIRA 16:10)

KOBZEV, V.G., inah.

Some new products of Bisk boiler plant. Energomashinostroenie 8
no.2:28, 33 F '62. (KIRA 15:2)
(Bisk--Boiler-making industry)

KOBZEV, V.S., kand. sel'skokhozyaystvennykh nauk

Simple device for illuminating Polianskii's speculum. Zhivotnovod-
stvo 21 no.11:78 N '59 (MIRA 13:3)

(Artificial insemination)
(Veterinary instruments and apparatus)

KOBZEV, V. S.

KOBZEV, V. S. -- "Attempt to Study the Milk Productivity of Individual Sections of the Udder of the Cow Machine Milking with and without Complete Milking). Min Higher Education USSR, Novochoerkassk Zootechnological Veterinary Inst imeni First Cavalry Army, Novochoerkassk, 1955. (Dissertations for the Degree of Candidate of Agricultural Sciences)

SO: Knizhnaya Latopia: No. 39, 24 Sept 55

MIRHAIEVICH, K.N.; KOBZEV, V.V.

Synthesis of complex vanadium cyanides and their reducing capacities. Dokl. IP1 5 no. 1/2:124-126 '64. (MTPA 17:6)

USSR / Radiophysics

I

Abs Jour : Ref Zhur -Fizika, No 4, 1957, No 10051

Author : Kobayev, V.V., Smetanina, D.I.

Inst : Not given

Title : Design of Transistor Low Frequency Amplifiers.

Orig Pub : Elektrosvyaz', 1956, No 9, 13-25

Abstract : The authors discuss the problems in the choice of optimum instability coefficient with respect to dc, calculation of the value of the interstage capacitor, and also of the capacitor shunting the resistance in the emitter circuit (for a grounded-emitter circuit). Calculation of the matching of the stages is given and practical data are given on two and three stage amplifiers. The advisability of employing emitter repeaters for stage matching is noted. For input stages of low frequency amplifiers, it is recommended that the P10 transistor be used. It is reported that the P10

Card : 1/2

USSR / Radiophysics.

I

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 10051

Abstract : transistor, when fed from one 3SL-30 dry cell, gives a voltage gain of approximately 37 at load resistance of 10 kilohms. Frequency characteristics, the curves of the dependence of the gain on the temperature, and tables of the amplifier parameters for Russian junction transistors are all given.

Card : 2/2

KOBZEV, V.V.; KHRISTOV, P.D.

Designing high-frequency oscillators equipped with junction triodes.
Poluprov. prib. i ikh prim. no.2:288-297 '57. (MIRA 11:6)
(Oscillators, Transistor)

... and ... , P. D.

"Problem of Designing High-frequency Self-excited Oscillators Equipped with Junction Transistors," Semiconductor Devices and Their Uses; Collection of Articles, No. 2, p. 288, Moscow, Izd-vo "Sovetskoye radio," 1957.